



# National Weather Service

## Storm Data and Unusual Weather Phenomena



August 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### LAKE HURON

LHZ442	Hbr Beach To Pt Sanilac Mi								
Harbor Beach	02	1812EST			0	0			Marine Tstm Wind (MG38)
LHZ463	Lh Hbr Beach To Pt Sanilac 5Nm Offshore To Intl Border								
Harbor Beach	02	1812EST			0	0			Marine Tstm Wind (MG38)
LHZ462	Lh Pt Austin To Hbr Beach Mi 5Nm Offshore To Intl Border								
Harbor Beach	02	1812EST			0	0			Marine Tstm Wind (MG38)
LHZ441	Pt Austin To Hbr Beach Mi								
Harbor Beach	02	1812EST			0	0			Marine Tstm Wind (MG38)
LHZ464	Lh Pt Sanilac To Pt Huron 5Nm Offshore To Intl Border								
Lexington	02	1955EST			0	0			Marine Tstm Wind (EG43)
LHZ443	Pt Sanilac To Pt Huron Mi								
Lexington	02	1955EST			0	0			Marine Tstm Wind (EG43)
LHZ464	Lh Pt Sanilac To Pt Huron 5Nm Offshore To Intl Border								
Port Huron	02	2022EST			0	0			Marine Tstm Wind (EG50)
LHZ443	Pt Sanilac To Pt Huron Mi								
Port Huron	02	2022EST			0	0			Marine Tstm Wind (EG50)
LHZ422	Inner Saginaw Bay & Sw Of Pt Au Gres To Bay Port Mi								
Saginaw River Mouth	02	2030EST			0	0			Marine Tstm Wind (EG43)
LHZ421	Outer Saginaw Bay & Sw Of Alabaster To Pt Austin Mi								
Bay Port	02	2030EST			0	0			Marine Tstm Wind (EG43)

### MICHIGAN, East

MIZ047>049-053>055-060>063-068>070-075>076-082>083

Midland - Bay - Huron - Saginaw - Tuscola - Sanilac - Shiawassee - Genesee - Lapeer - St. Clair - Livingston - Oakland - Macomb - Washtenaw - Wayne - Lenawee - Monroe

01	0000EST	0	215	Heat
02	1900EST			

This 2006 heat wave delivered the hottest weather the region had experienced in at least 4 years. A 5 day stretch of maximum temperatures at or above 90 degrees began on Saturday, July 29th. A blanket of especially high heat and oppressive humidity settled over the area on Monday, July 31st, and remained relentless through Wednesday, August 2nd. Temperatures soared above 90 by noon with heat indices over 100 degrees. Heat indices averaged between 105 and 110 degrees through the entire afternoon. Most significantly, Detroit Metro tied the all time record for the warmest minimum temperature, for any date, when it failed to record a temperature below 80 degrees on July 31st. This had happened only 3 other times in the previous 136 years of record keeping, and this was the first time in 64 years that it had happened again. Detroit topped out at 97 and set a new high temperature record for August 1st, tying the old record set in 1988. Little relief was felt during the evening with temperatures not dropping below 90 until 1900 EST. The major power companies in the area reported an all-time record customer demand for power from 1500 to 1600 EDT on the 1st, breaking the record that was set just the day before.

Remarkably, very few heat related illnesses occurred during the event. Newspaper articles revealed an extremely high level of awareness and preparedness from the communities across southeast lower Michigan. A large number of cooling centers were made available to those in need as folks reportedly heeded the warnings and took extra precaution. Although area hospitals reported some increase due to heat related illnesses, most were mild and due to heat exhaustion and dehydration. Six cases of heatstroke were confirmed in Washtenaw, Wayne, and Macomb Counties. No heat related deaths were reported.



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<b><u>MICHIGAN, East</u></b>									
<b>Genesee County</b>									
<b>Argentine</b>	<b>01</b>	<b>1750EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (EG50)</b>
			A trained spotter reported two trees blown down.						
<b>Genesee County</b>									
<b>Otisville</b>	<b>02</b>	<b>1904EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Midland County</b>									
<b>2 W North Bradley</b>	<b>02</b>	<b>1942EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (EG52)</b>
			Central dispatch reported a tree blown down.						
<b>Lapeer County</b>									
<b>Burnside</b>	<b>02</b>	<b>1950EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (EG52)</b>
			Central dispatch reported trees blown down in Burnside Township.						
<b>St. Clair County</b>									
<b>3 NW Smiths Creek</b>	<b>02</b>	<b>2022EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (EG50)</b>
			A trained spotter reported 6 inch diameter tree limbs down.						
<b>Genesee County</b>									
<b>Mt Morris</b>	<b>02</b>	<b>2105EST</b>			<b>0</b>	<b>0</b>	<b>2.5K</b>		<b>Lightning</b>
			A local newspaper reported that a house had been damaged by fallen power lines. A tree limb, struck by lightning, fell onto the power lines causing them to break and burn a portion of the aluminum siding on the home. The burning tree and arcing power lines sent neighbors to warn the homeowners. Two men received minor injuries (indirect) when they were electrocuted after knocking on the door of the home. Total property damages, including electrical appliances, was roughly estimated at \$2.5K						
<b>Shiawassee County</b>									
<b>Bancroft</b>	<b>02</b>	<b>2116EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (EG56)</b>
			A trained spotter reported a tree top blown off and estimated the wind gusts at 65 MPH.						
<b>Genesee County</b>									
<b>Flushing</b>	<b>02</b>	<b>2123EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (MG56)</b>
			A trained spotter measured a peak wind gust at 64 MPH.						
<b>Livingston County</b>									
<b>Cohoctah</b>	<b>02</b>	<b>2124EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (EG52)</b>
			Central Dispatch reported a tree and power lines blown down.						
<b>Lapeer County</b>									
<b>3 E Millville</b>	<b>02</b>	<b>2127EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (EG52)</b>
			Central dispatch reported a tree blown down in Mayfield Township.						
<b>Genesee County</b>									
<b>Grand Blanc</b>	<b>02</b>	<b>2135EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (MG54)</b>
			A trained spotter measured a peak wind gust at 62 MPH.						
<b>Genesee County</b>									
<b>Grand Blanc</b>	<b>02</b>	<b>2140EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Oakland County</b>									
<b>Holly</b>	<b>02</b>	<b>2142EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (EG52)</b>
			A trained spotter estimated winds at 60 MPH.						
<b>Genesee County</b>									
<b>2 WNW Davison</b>	<b>02</b>	<b>2150EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (EG52)</b>
			A local newspaper reported a tree blown down on a power line along Irish Rd, just south of Potter Rd.						
<b>Lapeer County</b>									
<b>Imlay City</b>	<b>02</b>	<b>2215EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (EG55)</b>
			A local newspaper reported several trees blown down.						



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### MICHIGAN, East

#### Lapeer County

Columbiaville to  
Burnside

02 2245EST  
03 1100EST 0 0 300K 1M Flash Flood

Thunderstorms with very heavy rain repeatedly occurred across the same areas and dumped rain at a rate of nearly 2 inches per hour. Doppler radar estimated that 6 inches of rain, with locally higher amounts, fell in a west to east swath across north central Lapeer County. The most intense rain fell from about 2000 EST on the 2nd to about 0100 EST on the 3rd. Flash flooding began around 2245 EST. The rain caused mass flooding to area roads. Nearly a dozen roads, between M-90 and Clear Lake Rd, were washed out and had to be closed. Crops were also severely punished. Farmers in the North Branch area reported losing over a million dollars in vegetable and sod crops. One farmer lost 120 acres of sod, estimated at \$540K. Another farmer lost 35 acres of onions, estimated at around \$200K. Total losses in crops due to the floods were estimated at \$1M. Several homes were heavily damaged by flooding on the east side of burnside township. Total property damages, including rebuilding roads, were estimated at \$300K. No injuries were reported.

#### Sanilac County

Brown City to  
Roseburg

02 2300EST  
03 1100EST 0 0 1.3M Flash Flood

Thunderstorms with very heavy rain repeatedly occurred across the same areas and dumped rain at a rate of nearly 2 inches per hour. Doppler radar estimated that 5 inches of rain fell in a west to east swath across southeast Sanilac County, and as much as 10 inches in an isolated area in and around the Brown City area. A cooperative observer in Brown City actually measured 7.35 inches over a 4 hour period on the evening of August 2nd, with an additional eight tenths of an inch falling after midnight during the early morning hours of the 3rd. The most intense rain fell from about 2000 EST on the 2nd to about 0100 EST on the 3rd. Flash flooding began around 2300 EST. Many homes in the Brown City area were heavily damaged by flood waters. The entire town experienced flooding and the city manager reported 220 damage claims filed with the city. At least 3 basements were lost and a few homes reported nearly \$100K in damages. The entire lower half of the high school was flooded with 3 to 5 inches of water. Flood waters reached 3 feet deep in a mobile home park in the city. Around 0200 EST on the 3rd, the flood waters stopped rising, and by noon, the flood waters began to recede. Total property damages were estimated at \$1.25M. No injuries were reported.

A cold front moved through the area during the evening of August 2nd and finally brought an end to the five day heat wave that had plagued southeast Michigan. Thunderstorms, a few intense, fired up out ahead of the cold front within the unstable airmass in place across southeast Michigan. The severe weather was primarily confined to areas along and just south of the I-69 corridor. This was mainly a wind event with reports of several trees blown down. Most significantly, a tropical-like airmass and repeated rounds of storms along the I-69 corridor caused flash flooding in Lapeer and Sanilac counties, with extensive damages occurring in and around the Brown City area.

#### Macomb County

Armada

24 0300EST 0 0 Hail(0.75)

Law enforcement reported penny size hail.

#### Tuscola County

1 NE Akron

26 1915EST 0 0 100K Lightning

A newspaper reported that a lightning strike had caused a house to burn down. Lightning struck the home on Saturday evening, the 26th, sparking electrical problems. The electrical problem caused the home to go up in flames 24 hours later, at 1830 EST on the 27th. Total property damages were estimated at \$100K.



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					Killed	Injured	Property	Crops	

### MICHIGAN, East

#### Lapeer County

<b>6 NW North Branch</b>	<b>26</b>	<b>1930EST</b>			<b>0</b>	<b>0</b>	<b>2.5K</b>		<b>Lightning</b>
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A local newspaper reported that lightning struck a home on Swaffer Rd, causing electrical problems. The family was shocked whenever they touched a grounded object. Firefighters contacted the American Red Cross and found the family of eight a place to stay until electricians could be contacted. Property damages were roughly estimated at around \$2.5k.

#### Lapeer County

<b>4 NW North Branch</b>	<b>26</b>	<b>1930EST</b>			<b>0</b>	<b>1</b>	<b>0</b>		<b>Lightning</b>
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A 27 year old male was struck by lightning while inside his home. The lightning struck just as he was closing an aluminum storm door that was blown open by the wind. It first hit his backyard and traveled up the porch, to the storm door, and through his body. He was barefoot at the time and the lightning knocked him to the floor in pain. He was unable to talk for awhile but refused to be transported to the hospital. His arm was swollen the following day and his joints remained stiff.

#### Lapeer County

<b>2 ESE Burnside</b>	<b>26</b>	<b>2015EST</b>			<b>0</b>	<b>0</b>	<b>400K</b>		<b>Lightning</b>
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A local newspaper reported that lightning set a barn on fire, causing extensive damage. The barn was 60 by 170 feet located at the Muxlow Dairy Farm on Wilcoz Rd. Officials on the scene estimated total damages at \$400K, including the barn, two tractors, a skid steer, and 2,500 bales of hay and straw. No people or livestock were injured.